

SUBSTITUTE FORM PTO-1449 (MODIFIED)		U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE		ATTY. DOCKET NO. 09650/007001	SERIAL NO. 09/252,432 10/706456
INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use several sheets if necessary) (37 CFR 1.98(b))				APPLICANT Ronald P. Knockeart	
				FILING DATE February 18, 1999	GROUP <u>3662</u>

U.S. PATENT DOCUMENTS

EXAMINER INITIAL		PATENT NUMBER							ISSUE DATE	PATENTEE		CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
MB	AA	4	7	9	6	1	9	1	01/03/89	Honey et al.				
	AB	5	3	1	1	1	9	5	05/10/94	Mathis et al.				
	AC	5	5	0	4	4	8	2	04/02/96	Schreder				
	AD	5	5	4	3	7	8	9	08/06/96	Behr et al.				
	AE	5	5	5	9	5	5	1	09/24/96	Ito et al.				
	AF	5	5	6	5	8	7	4	10/15/96	Rode				
	AG	5	5	8	7	9	1	1	12/24/96	Asano et al.				
	AH	5	6	1	2	8	8	1	03/18/97	Moroto et al.				
	AI	5	6	4	2	1	0	6	06/24/97	Hancock et al.				
Y	AJ	5	8	7	5	4	1	2	02/23/99	Sulich et al.				
	AK													

FOREIGN PATENT OR PUBLISHED FOREIGN PATENT APPLICATION

		DOCUMENT NUMBER	PUBLICATION DATE	COUNTRY OR PATENT OFFICE	CLASS	SUBCLASS	TRANSLATION	
							YES	NO
MB	AL	WO 96/07110	03/07/96	PCT				
MB	AM	EPO 379 198 A	07/25/90	Europe				
	AN							
	AO							
	AP							

OTHER DOCUMENTS (Including Author, Title, Date, Place of Publication)

AQ	Abstract: Publication No. 63300399, Publication Date: 07/12/88, Title: Navigation System		
AR			
AS			

EXAMINER <u>T. BLUM</u>	DATE CONSIDERED <u>4-28-04</u>
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EXAMINER: Initial citation considered. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

Substitute Form PTO-1449 (Modified)		U.S. Department of Commerce Patent and Trademark Office	Attorney's Docket No. 09650-007001	Application No. 10/706456 09/252,432
Information Disclosure Statement by Applicant (Use several sheets if necessary) (37 CFR §1.98(b))		Applicant Bob Drury et al.		
		Filing Date February 18, 1999	Group Art Unit 3662	

U.S. Patent Documents							
Examiner Initial	Desig. ID	Patent Number	Issue Date	Patentee	Class	Subclass	Filing Date If Appropriate
MB	AA	5,563,607	10/08/96	Loomis et al.	—	—	
	AB	5,539,645	07/23/96	Mandhyan et al.	—	—	
	AC	5,334,986	08/02/94	Ferhout	—	—	
	AD	5,243,528	09/07/93	Lefebvre	—	—	
	AE	5,072,395	12/10/91	Bliss et al.	—	—	
	AF	5,598,534	01/28/97	Haas	—	—	
	AG	5,604,676	02/18/97	Penzias	—	—	
	AH	6,073,075	06/06/00	Kondou et al.	—	—	
	AI	6,104,338	08/15/00	Krasner	—	—	
	AJ	5,987,381	11/16/99	Oshizawa	—	—	
▼	AK	6,028,537	02/22/00	Suman et al.	—	—	

Foreign Patent Documents or Published Foreign Patent Applications							
Examiner Initial	Desig. ID	Document Number	Publication Date	Country or Patent Office	Class	Subclass	Translation
							Yes N
MB	AL	96/21193	07/11/96	WO	—	—	
	AM	96/00373	01/04/96	WO	—	—	
	AN	0 786 646 A2	07/30/97	Europe	—	—	
	AO	0 354 684	02/14/90	Europe	—	—	
	AP	0 349 652	01/10/90	Europe	—	—	
	AQ	41 39 581 A1	06/03/93	Germany	—	—	
▼	AR	43 00 927 A1	07/21/94	Germany	—	—	

Other Documents (include Author, Title, Date, and Place of Publication)							
Examiner Initial	Desig. ID	Document					
	AS						

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	AB						
	AC						
	AD						
	AE						
	AF						
	AG						
	AH						
	AJ						
	AJ						P
	AK						

Foreign Patent Documents or Published Foreign Patent Applications

Examiner Initial	Desig. ID	Document Number	Publication Date	Country or Patent Office	Class	Subclass	Translation	
							Yes	No
MB	AL	WO 98/45823	10/15/98	PCT				X
MB	AM	EP0 974 137 B1	11/28/01	Europe (for translation of claims only)			X	
	AN							
	AO							
	AP							

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<i>MB</i>	AA	4733356	03/22/88	Haeussermann, et al.	—	—	
	AB	4954958	09/04/90	Savage, et al.	—	—	
	AC	5025261	06/18/91	Ohta, et al.	—	—	
	AD	5043902	08/27/91	Yokoyama, et al.	—	—	
	AE	5172321	12/15/92	Ghaem, et al.	—	—	
	AF	5239700	08/24/93	Guenther, et al.	—	—	
	AG	5278759	01/11/94	Berra, et al.	—	—	
	AH	5311434	05/10/94	Tamai	—	—	
	AI	5323321	06/21/94	Smith	—	—	
	AJ	5452212	09/19/95	Yokoyama, et al.	—	—	
	AK	5475599	12/12/95	Yokoyama, et al.	—	—	
	AL	5515284	05/07/96	Abe	—	—	
	AM	5543789	08/06/96	Behr, et al.	—	—	
	AN	5559707	09/24/96	DeLorme, et al.	—	—	
	AO	5610821	03/11/97	Gazis, et al.	—	—	
	AP	5635953	06/03/97	Hayami, et al.	—	—	
	AQ	5638280	06/10/97	Nishimura, et al.	—	—	
	AR	5648768	07/15/97	Bouve	—	—	
	AS	5648769	07/15/97	Sato, et al.	—	—	
	AT	5651056	07/22/97	Eting, et al.	—	—	
	AU	5659476	08/19/97	LeFebvre, et al.	—	—	
	AV	5774824	06/30/98	Streit, et al.	—	—	
	AW	5794164	08/11/98	Beckert, et al.	—	—	
	AX	5802492	09/01/98	DeLorme, et al.	—	—	
	AY	5808566	09/15/88	Behr, et al.	—	—	
	AZ	5922041	07/13/99	Anderson	—	—	
▼	AAA	5924075	07/13/99	Kanemitsu	—	—	

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		Filing Date <u>February 18, 1999</u>	Group Art Unit <u>3662</u>
(37 CFR §1.98(b))			

U.S. Patent Documents							
Examiner Initial	Desig. ID	Patent Number	Issue Date	Patentee	Class	Subclass	Filing Date If Appropriate
<i>MB</i>	ABB	5951620	09/14/99	Ahrens, et al.	—	—	
	ACC	5959577	09/28/99	Fan, et al.	—	—	
	ADD	6009403	12/28/99	Sato	—	—	
	AEE	6032089	02/29/00	Buckley	—	—	
	AFF	6070124	05/30/00	Nimura, et al.	—	—	
	AGG	6075467	06/13/00	Ninagawa	—	—	
	AHH	6076041	06/13/00	Watanabe	—	—	
	AII	6124826	09/26/00	Garthwaite, et al.	—	—	
	AJJ	6131064	10/10/00	Vieweg	—	—	
	AKK	6169515	01/02/01	Mannings, et al.	—	—	
	ALL	6216086	04/10/01	Seymour, et al.	—	—	
↓	AMM	6249767	06/19/01	Okayama, et al.	—	—	

Foreign Patent Documents or Published Foreign Patent Applications							
Examiner Initial	Desig. ID	Document Number	Publication Date	Country or Patent Office	Class	Subclass	Translation Yes No
<i>MB</i>	ANN	DE4139581A1	06/03/93	Germany	—	—	
	AOO	DE4300927A1		Germany	—	—	
	APP	EP0349652B1	10/01/90	Europe	—	—	
	AQQ	EP0354684A2	02/14/90	Europe	—	—	
	ARR	WO9600373A1	01/04/96	PCT	—	—	
	ASS	WO9619775	06/27/96	PCT	—	—	
	ATT	WO9843044	10/01/98	PCT	—	—	
↓	AUU	US 6381535 (translation of WO 98/45823)			—	—	X

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U.S. Patent Documents

Examiner Initial	Desig. ID	Document Number	Publication Date	Patentee	Class	Subclass	Filing Date If Appropriate
<i>MFS</i>	AA	6,324,472	11/27/2001	O'Shea			
	AB						

Foreign Patent Documents or Published Foreign Patent Applications

Examiner Initial	Desig. ID	Document Number	Publication Date	Country or Patent Office	Class	Subclass	Translation Yes <input type="checkbox"/> No <input type="checkbox"/>
	AC						

Other Documents (include Author, Title, Date, and Place of Publication)

Examiner Initial	Desig. ID	Document
	AD	

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